

**DETAILED ACTION**

***Election/Restrictions***

1. Restriction filed on 06/24/2009 was improper therefore the previous restriction is now withdrawn and the previously withdrawn claims 6-19 are now allowed.

***Allowable Subject Matter***

1. Claim 6 is allowed.
2. The following is a statement of reasons for the indication of allowable subject matter: None of the references either singularly or in combination teach or fairly suggest a method for converting input data representing a color formed from only two colors to output data representing a color formed from at least three colors, comprising: receiving the two-color input data in the form of two colors, a primary color and a secondary color; determining, for each color of the two-color input data, an equivalent color defined in a full color space by applying a first function to each color of the two-color input data; determining, from the two-color input data, a screen characteristic for the primary color and the secondary color; determining which screen characteristic is of a lesser value, and then determining if the lesser value is equal to zero; if the lesser value screen characteristic is zero, generating an intermediate output that is a function of only one of the primary and secondary colors, otherwise, generating an intermediate output that is a function of both the primary and secondary colors, wherein the intermediate outputs include a highlight color, a highlight color percentage and a black percentage; and processing the intermediate output using a second function to generate the output data representing a single color defined in at least three color space.

Art Unit: 2625

3. Claims 7-14 are allowed because they depend on allowed claim 6.
4. Claim 15 is allowed.
5. The following is a statement of reasons for the indication of allowable subject matter: None of the references either singularly or in combination teach or fairly suggest a method of instructing a printing system which prints using at least three colorants to print a predetermined color defined using only a first and second color, comprising: creating a schema to represent said first and second colors, said palette including, palette names and colorant names, for generating different colors; using a processor, determining, for each color of the two-color input data, an equivalent color defined in a full color space by applying a first function to each color of the two-color input data; determining, from the two-color input data, a screen characteristic for the primary color and the secondary color; determining which screen characteristic is of a lesser value, and then determining if the lesser value is equal to zero; if the lesser screen characteristic is zero, generating an intermediate output that is a function of only one of the primary and secondary colors, otherwise, generating an intermediate output that is a function of both the primary and secondary colors, wherein the intermediate outputs include a highlight color, a highlight color percentage and a black percentage; and processing the intermediate output using a second function to generate the output data representing a single color defined in at least three color space and storing said output data in a schema.
6. Claims 16-19 are allowed because they depend on allowed claim 6.

***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to IRIANA CRUZ whose telephone number is (571)270-3246. The examiner can normally be reached on Monday-Friday 7:30am to 4:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, King Y. Poon can be reached on (571) 272-7440. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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March 24, 2011  
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